

Converting Colors

XYZ(46.1742, 65.1553, 63.3329)

Have a look what the booklet for
XYZ(46.1742, 65.1553, 63.3329)
contains.

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Color

**XYZ(46.1051, 65.0110,
63.5445)**

Conversions

Conversions Part 1

Format	Color
Hex	75E7C6
RGB	117, 231, 198
RGB Percent	46%, 91%, 78%
CMY	0.5412, 0.0941, 0.2235
CMYK	0.49, 0.00, 0.14, 0.09
HSL	163°, 70%, 68%
HSV	163°, 49%, 91%
XYZ	46.1051, 65.0110, 63.5445
YIQ	193.1520, -57.3510, -34.4310

Conversions

Conversions Part 2

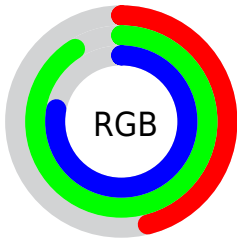
Format	Color
RYB	117, 184, 231
Decimal	7727046
CIELab	84.49, -40.28, 6.12
CIELCh	84, 40.744, 171.359
Yxy	65.0110, 0.2640, 0.3722
Android (android.graphics.Color)	4285917126 (0xFF75E7C6)
YUV	193.1520, 2.3901, -66.7853
Hunter-Lab	80.6294, -39.0325, 9.7138

Details

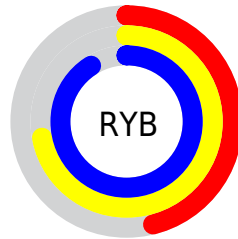
The XYZ color **46.1051, 65.0110, 63.5445** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.8235, 31.9152, 32.6544**, and the grayscale version is **50.7900, 53.4351, 58.1908**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **21.9396, 33.4858, 31.6926** is the 20% darker color. If you saturate the color by 10%, you get **42.6219, 63.3041, 59.4444**, and if you desaturate by 10%, it is **50.3918, 67.1314, 67.8629**.

Distribution



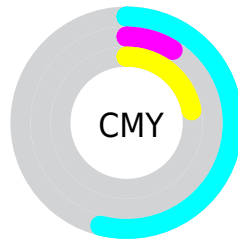
- Red (46%)
- Green (91%)
- Blue (78%)



- Red (46%)
- Yellow (72%)
- Blue (91%)



- Cyan (49%)
- Magenta (0%)
- Yellow (14%)
- Black (9%)



- Cyan (54%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1051, 65.0110, 63.5445 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 46.1051, 65.0110, 63.5445 by changing the saturation by 10% instead.

46.1051, 65.0110,
63.5445

46.1051, 65.0110,
63.5445

361.9399,
442.8315, 455.7051

32.5337, 47.4700,
45.8380

83.6032, 112.0657,
111.5478

21.9270, 33.4074,
31.7703

108.2606,
142.3481, 142.6818

13.9196, 22.4387,
20.9227

137.3441,
177.6465, 179.1286

8.1461, 14.1796,
12.8768

171.2190,
218.3453, 221.3069

4.2412, 8.2457,
7.2141

210.2506,
264.8287, 269.6351

1.8395, 4.2526,
3.5159

254.8045,

0.5413, 1.8158,

317.4813, 324.5319

1.3637

305.2457,
376.6875, 386.4157

■ 0.0000, 0.4970,
0.1132

■ 0.0000, 0.0000,
0.0000

■ 46.1051, 65.0110,
63.5445

■ 46.1051, 65.0110,
63.5445

■ 42.6219, 63.3041,
59.4444

■ 50.3918, 67.1314,
67.8629

■ 39.8788, 61.9733,
55.5530


■ 55.5284, 69.6843,
72.3996


■ 37.8118, 60.9872,
51.8666


■ 61.5642, 72.6968,
77.1607


■ 36.3430, 60.3057,
48.3790


■ 68.5431, 76.1913,
82.1503

 35.3479, 59.8646,
45.0821


 76.5060, 80.1890,
87.3724

 35.2897, 59.8392,
44.8738

 85.2682, 84.5946,
92.8204

 86.2700, 84.9953,
98.0959

 87.3087, 85.4108,
103.5656

 87.8671, 85.6341,
106.5057

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.1474, 65.0110, 43.9567



46.1051, 65.0110, 63.5445



46.9324, 65.0110, 90.5763

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.1051, 65.0110, 63.5445



68.3618, 65.0110, 128.2254



73.3318, 65.0110, 38.5058

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.1051, 65.0110, 63.5445



44.8235, 31.9152, 32.6544

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.4950, 65.0110, 54.1111



46.1051, 65.0110, 63.5445



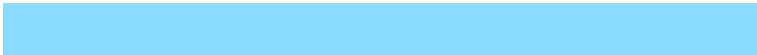
76.4360, 65.0110, 106.7739

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.1051, 65.0110, 63.5445



59.2079, 65.0110, 132.5270



80.6834, 65.0110, 78.5576



64.4482, 65.0110, 32.0028

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.1051, 65.0110, 63.5445



49.6050, 65.0110, 109.1776



80.6834, 65.0110, 78.5576



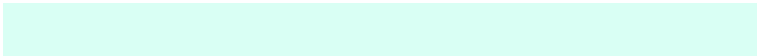
75.8252, 65.0110, 42.6496

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.1069, 65.0136, 63.5460



80.6190, 92.7606, 99.1853



44.5885, 65.0374, 27.0341



16.8695, 19.6613, 20.9488



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.1069, 65.0136, 63.5460



53.3468, 79.2216, 74.4012



44.3666, 54.7632, 83.8363



14.6203, 16.2615, 17.5310



19.8395, 33.5679, 25.4528



1.5059, 2.4965, 2.0905

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



44.8235, 31.9152, 32.6544



51.5994, 33.4131, 31.7900



45.5168, 36.9729, 21.5682



14.5477, 14.4363, 15.8187



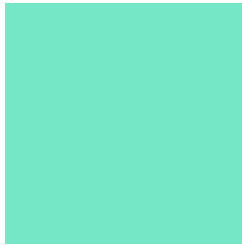
19.0876, 9.7692, 4.0901



1.4498, 0.7376, 0.5091

Previews

White Background



This preview shows how the XYZ color 46.1051, 65.0110, 63.5445 looks on a white background.

Color Contrast Check

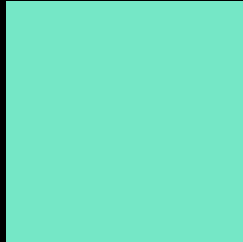
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 46.1051, 65.0110, 63.5445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

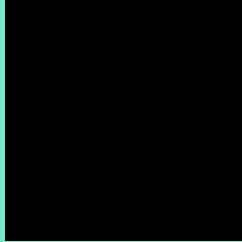
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

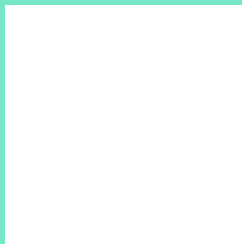
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1051, 65.0110, 63.5445

Background



This preview shows how black text looks on a background with the XYZ color 46.1051, 65.0110, 63.5445.

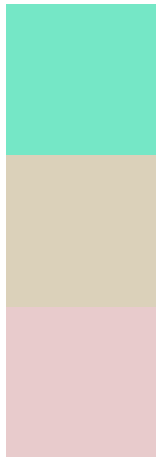


This preview shows how white text looks on a background with the XYZ color 46.1051, 65.0110,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.1051, 65.0110, 63.5445

Protanopia

60.8768, 64.2062, 55.6389

Deuteranopia

65.5337, 64.2273, 66.0699



Tritanopia

52.3088, 65.0673, 94.5963

Trichromacy



Original Color

46.1051, 65.0110, 63.5445



Protanomaly

53.3985, 63.2885, 58.1167



Deuteranomaly

55.6901, 62.7999, 65.0635



Tritanomaly

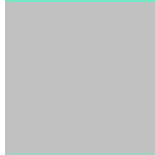
49.7917, 64.8442, 82.5649

Monochromacy



Original Color

46.1051, 65.0110, 63.5445



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

47.6802, 56.5651, 60.0349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1051, 65.0110, 63.5445 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(117, 231, 198)` looks like.

```
.text, #text, p{  
    color:rgb(117, 231, 198)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(117, 231, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 231, 198) }
```

Border

The CSS property to change the border of an element to XYZ 46.1051, 65.0110, 63.5445 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 231, 198) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(117, 231, 198) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(117, 231, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 231, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 231, 198);  
box-shadow:4px 4px 4px 4px rgb(117, 231,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1051, 65.0110, 63.5445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 231, 198) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(117,  
231, 198) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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